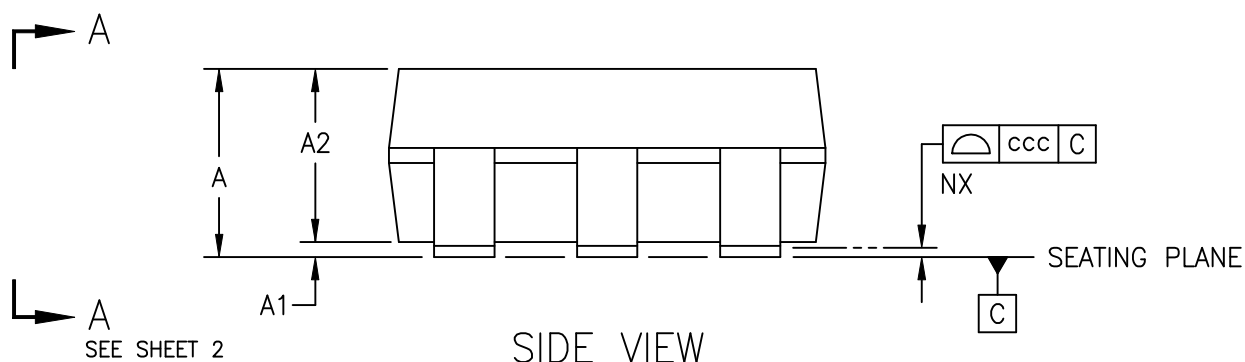


TOP VIEW



SIDE VIEW

FIGURE 1

JEDEC
SOLID STATE
PRODUCT OUTLINE

THIS **REGISTERED OUTLINE** HAS BEEN PREPARED BY THE JEDEC JC-11 COMMITTEE AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS INDUSTRY; CHANGES ARE LIKELY TO OCCUR.

TITLE
PLASTIC SMALL OUTLINE PACKAGE
(SOT / SOP)

PACKAGE DESIGNATOR
R-PDSO-G

ISSUE
C

DATE
2/2000

MO-178

SHEET
1 OF 4

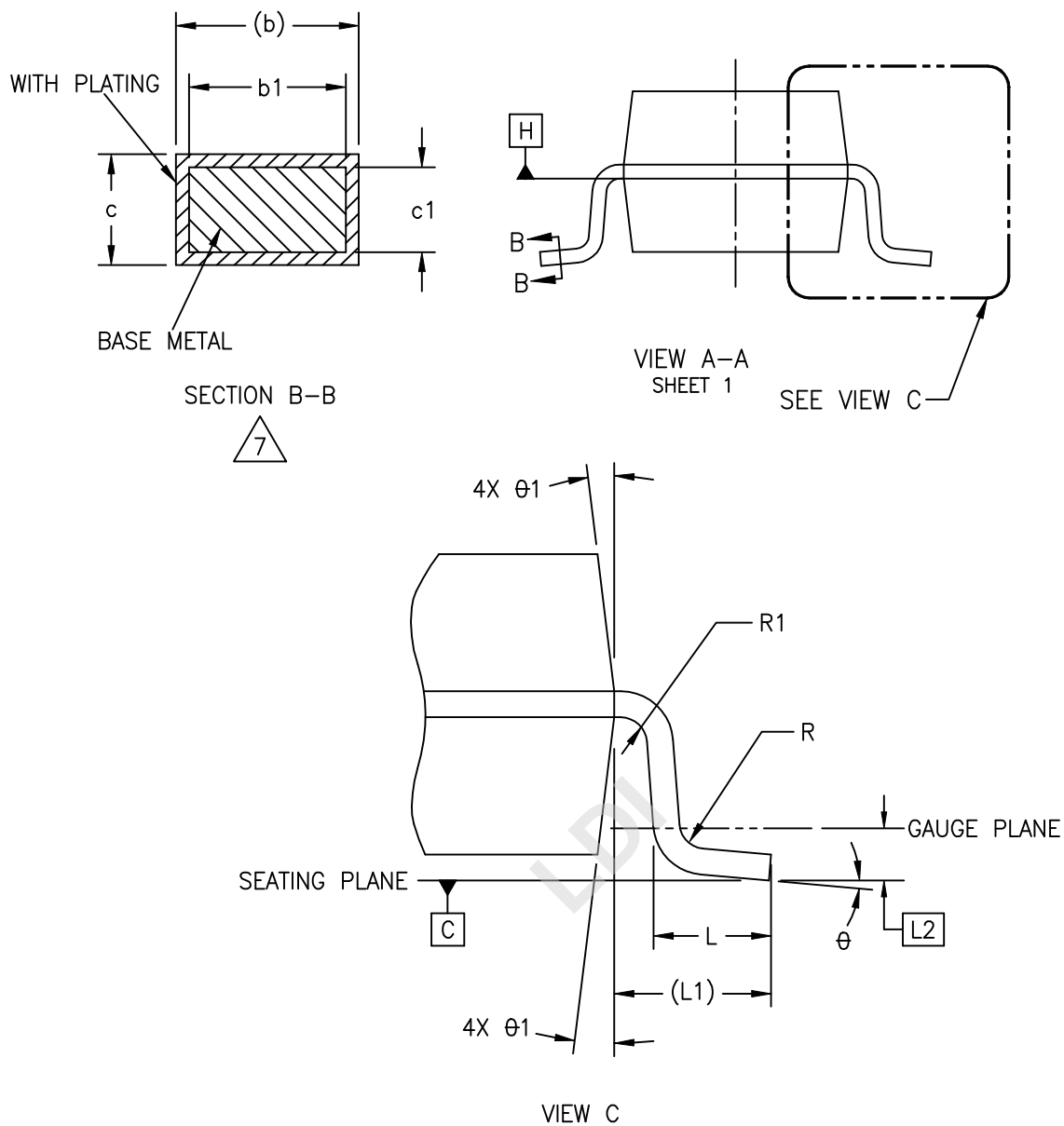



FIGURE 2

COMMON DIMENSIONS AND TOLERANCES												
SYMBOL	ALL DIMENSIONS IN MILLIMETERS			NOTES	SYMBOL	TOLERANCES OF FORM AND POSITION			NOTES			
	MINIMUM	NOMINAL	MAXIMUM									
A	—	—	1.45		aaa	0.15						
A1	0	—	0.15		bbb	0.20						
A2	0.90	1.15	1.30		ccc	0.10						
c	0.08	—	0.22	7								
c1	0.08	0.13	0.20	7	NOTES	1,2						
D	2.90 BSC			3,4	REF	10–378						
E	2.80 BSC			3,4	ISSUE	B						
E1	1.60 BSC			3,4								
L	0.30	0.45	0.60									
L1	0.60 REF											
L2	0.25 BSC											
R	0.10	—	—									
R1	0.10	—	0.25									
θ	0°	4°	8°									
θ1	5°	10°	15°									
NOTES	1, 2											
REF	10–378											
ISSUE	B											
VARIATIONS												
SYMBOL	AA 			NOTES	AB			NOTES	BA			NOTES
	MIN.	NOM.	MAX.		MIN.	NOM.	MAX.		MIN.	NOM.	MAX.	
b	0.30	—	0.50	7	0.30	—	0.50	7	0.22	—	0.38	7
b1	0.30	0.40	0.45	7	0.30	0.40	0.45	7	0.22	0.30	0.33	7
e	0.95 BSC.				0.95 BSC.				0.65 BSC.			
e1	1.90 BSC.				1.90 BSC.				1.95 BSC.			
N	5				6				8			
TOLERANCES OF FORM AND POSITION												
ddd	0.20				0.20				0.13			
NOTE	1, 2, 8				1, 2, 8				1, 2, 8			
REF	10–378				10–397				10–397			
ISSUE	B				C				C			
JEDEC SOLID STATE PRODUCT OUTLINE				TITLE PLASTIC SMALL OUTLINE PACKAGE (SOT / SOP)				ISSUE C	DATE 2/2000	MO–178		SHEET 3 OF 4

NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

2. DIMENSIONS IN MILLIMETERS.



DIMENSION D DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH, PROTRUSIONS OR GATE BURRS SHALL NOT EXCEED 0.25 mm PER END. DIMENSION E1 DOES NOT INCLUDE INTERLEAD FLASH OR PROTRUSION. INTERLEAD FLASH OR PROTRUSION SHALL NOT EXCEED 0.25 mm PER SIDE. D AND E1 DIMENSIONS ARE DETERMINED AT DATUM H



THE PACKAGE TOP MAY BE SMALLER THAN THE PACKAGE BOTTOM. DIMENSIONS D AND E1 ARE DETERMINED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY EXCLUSIVE OF MOLD FLASH, TIE BAR BURRS, GATE BURRS AND INTERLEAD FLASH, BUT INCLUDING ANY MISMATCH BETWEEN THE TOP AND BOTTOM OF THE PLASTIC BODY. D AND E1 DIMENSIONS ARE DETERMINED AT DATUM H.



DATUMS A & B TO BE DETERMINED AT DATUM H.



PACKAGE VARIATION "AA" IS A 5 LEAD VERSION OF THE 6 LEAD VARIATION "AB" WHERE LEAD #5 HAS BEEN REMOVED FROM THE 6 LEAD "AB" VARIATION.



THESE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.08 mm AND 0.15 mm FROM THE LEAD TIP.



DIMENSION 'b' DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08 mm TOTAL IN EXCESS OF THE "b" DIMENSION AT MAXIMUM MATERIAL CONDITION. THE DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OF THE FOOT. MINIMUM SPACE BETWEEN PROTRUSION AND AN ADJACENT LEAD SHALL NOT BE LESS THAN 0.07 mm.



DETAILS OF THE PIN 1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED.

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